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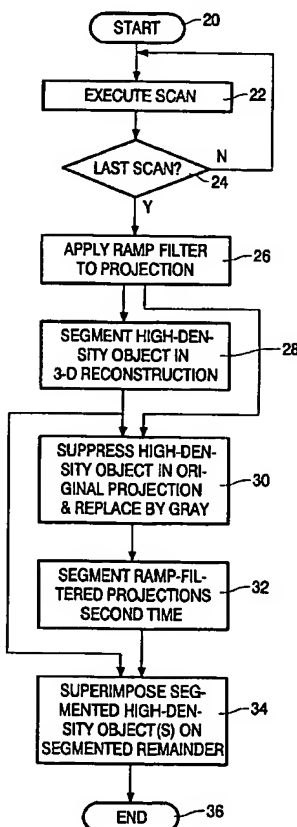
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(54) Title: METHOD AND APPARATUS FOR GENERATING IMPROVED COMPUTER TOMOGRAPHY IMAGES OF NATURAL TISSUES



(57) Abstract: A method is disclosed for generating images of a human or animal body on the basis of 3D-reconstructions from 3D-XRAY or 3D-Computer Tomography measurements, which bodies comprise both natural tissue and one or more high-density objects. The method comprises the steps of executing the measurements, distinguishing the one or more high-density objects and executing a separating procedure thereon for generating an improved image of regions of the natural tissue. In particular, the method comprises the following steps: applying a ramp filter on the various projection measurements to single out the one or more high-density objects; segmenting the singled-out one or more high-density objects into a separate 3D reconstruction; suppressing the reconstructed one or more high-density objects from the original projection measurements; and segmenting said projection measurements without the suppressed one or more high-density objects.

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Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal; WPI Data, INSPEC, PAJ, IBM-TDB

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 125 193 A (HAN KYUNG S) 26 September 2000 (2000-09-26) column 3, line 54 - column 4, line 44; figure 3	1-6
A	US 5 561 695 A (HU HUI) 1 October 1996 (1996-10-01) column 2, line 30 - line 45	1-6
A	US 6 018 561 A (TAM KWOK) 25 January 2000 (2000-01-25) claim 1	1, 4
A	US 5 438 602 A (CRAWFORD CARL R ET AL) 1 August 1995 (1995-08-01)	

☐ Further documents are listed in the continuation of box C.

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Information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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US 5561695	A	01-10-1996	DE 19634821 A1 IL 119543 A JP 9187452 A	15-05-1997 01-12-2002 22-07-1997
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